

Flight Summary Pre-AVE Flights

General Information

Flight date – 19 Jan 2004

Flight description –Flight #2 for the Pre-AVE mission

Flight duration – 5h 13 m

Crew – Rick Hull (x49515) and Shelley Baccus (x49807)

Instruments flown: ALIAS, ARGUS, CAPS, DU FCAS, DU MACS, DU NMASS, Frost Point, HU_CO2, MTP, NOAA CIMS, NOAA CH4, NOAA O3, PANTHER, PTW, PALMS, Total Water, VIPS, Water Vapor, WAS

Instruments not flown: JLH

Flight Log

Before Taxi	15:53	Takeoff	16:06
Climb/5000	16:10	Landing	21:19

Gear extension/retractions

Gear Up	16:06	21:06
Gear Down	21:02	? <21:19

Weather Observations

- On climb: Clear
- Cruise: Clear.
- On descent: Clear

Flight Profile

- Flew to max altitude first. Altitude = 53000 ft. at 30 min, 56000 ft. at 40 min, 57500 ft. at 50 min. Max altitude was 58000 ft.
- At 18:10, 40 miles from point 4, we descended to 28000 ft for leg from point 4 to 5.
- Air Traffic Control for point 5 was between two centers and neither of them would let us get to point 5 and directed us to point 6.
- We started the climb again at 18:52, 176 miles from point 6 (low fuel)
- We continued towards point 6 and 34 miles short of it turned direct to Ellington due to low fuel. The WB climbed to 60000 ft on this leg.

Instrument Notes

- Data recorder was turned ON at 15:53.
- PALMS power was turned ON at 15:55.
- WAS 1 ON at 53000 ft 16:37. WAS 2 ON at 18:10, OFF at 18:32, ON at 18:52, OFF at 19:12, ON at 20:56
- VIPS fail light came on when the switch was turned on at 16:10. Fail sequences began at 16:23, 16:36, 16:51, and 17:02. The instrument was turned OFF at 17:20.
- CIMS fail light flashed ~3 times at 16:19 and then stayed on. Failure sequences were begun at 16:20, 16:26, 16:30, and 16:35. The instrument was kept ON.
- MACS fail light came on at 19:55. Fail sequences were run at 19:56, 19:58, 20:00, and 20:01. The instrument was kept ON.
- MTP display went fuzzy at 17:49 and was restarted several times and eventually was turned off.

To ftp for the nav data:

IP address 139.169.70.28

Username: anonymous@wb57f.asds.net

Password: <any email address>

The directory is: WB5F_Processed / Pre_Ave_Mission